

WHAT IS CLAIMED IS:

1. A support structure for accommodating a flat computer and allowing convenient viewing and manipulation by a user, the support structure comprising:

5 a socle;
a carrier platform;
a first bi-directional adjustment mechanism, fixedly mounted to the socle;
a second bi-directional adjustment mechanism, fixedly mounted to the carrier platform; and

10 a connecting rod, having two ends, wherein one end of the connecting rod is connected to the first bi-directional adjustment mechanism, and the other end is connected to second bi-directional adjustment mechanism, so as to enable adjustment of an inclination angle of the carrier platform and the connecting rod relative to the socle.

15 2. The support structure of claim 1, wherein each of the first and second bi-directional adjustment mechanisms further includes a body and first and second axles, wherein two ends of the first axle connect transversally and pivotally to the body, and one end of the second axle vertically and pivotally connects to the body, and wherein the first axle of the first bi-directional
20 adjustment mechanism connects to one end of the connecting rod and the second axle of the first bi-directional adjustment mechanism connects to the socle, while the first axle of the second bi-directional adjustment mechanism connects to another end of the connecting rod and the second axle of the second bi-directional adjustment mechanism is fixedly mounted on the carrier platform.

25 3. The support structure of claim 2, wherein the body of the first and second bi-directional adjustment mechanism has a U-shape with two wings, two ends of each first axial part respectively connects pivotally to the two wings and

extend out of the two wings to attach fixedly to the connecting rod, and one end of each second axle pivotally connects to a central portion of the body.

4. The support structure of claim 2, wherein each second axle further includes a connecting portion, a connecting portion of the first bi-directional adjustment mechanism is fixed to the socle, and a connecting portion of the
5 second bi-directional adjustment mechanism is fixed to the carrier platform.

5. The support structure of claim 1, wherein the carrier platform includes a first plate body, a second plate body, and a fastening plate, the first and second plate bodies are assembled with each other to form an
10 accommodating space wherein is mounted the fastening plate, and the fastening plate is fixed to the second plate body and extends through a first hole of the second plate body to mount fixedly to the second bi-directional adjustment mechanism.

6. The support structure of claim 5, further comprising casing
15 structures adapted for enclosing the first and second bi-directional adjustment mechanisms, and two lids covering the fastening plate and snap fitting to the second plate body.

7. The support structure of claim 5, further comprising a retainer received in the accommodating space between the first and second plate bodies
20 and extending out of the carrier platform for fastening the flat computer on the carrier platform.

8. The support structure of claim 7, wherein the retainer includes a hooking rod and a spring connected to one first end of the hooking rod, wherein the hooking rod slides within the accommodating space and has one second end
25 extending out of the carrier platform and two vertically protruding hooks that slidably extend through second and third holes of the first plate body.

9. The support structure of claim 5, further comprising a sliding

connector and a movement-driving piece, being respectively received in the accommodating space, wherein the movement-driving piece slides on the first and second plate bodies, one end thereof extends out of the carrier platform, and two slots are formed in two sides thereof, and wherein the sliding connector has
5 two lateral protrusions sliding through the slots of the movement-driving piece and is thereby allowed to slide for extension and retraction through a fourth hole of the first plate body.

10. The support structure of claim 1, further comprising a USB connector, a PS/2 connector, a D-type connector, and a power connector, being
10 respectively embedded in a side of the socle and connected to the sliding connector.

11. The support structure of claim 5, further comprising abutments at peripheral edges of the carrier platform and fixedly secured to the second plate body.

15 12. The support structure of claim 1, further comprising an optical disc reading and/or writing device and a sound amplifier embedded in the socle, wherein the optical disc reading and/or writing device and the sound amplifier are connected to the sliding connector.

20 13. The support structure of claim 1, further including manipulating buttons on the socle and connected to the optical disc reading and/or writing device.

14. The support structure of claim 1, wherein the connecting rod includes first and second halves, the first and second bi-directional adjustment mechanisms being fixedly mounted to the first half and the second half being
25 fixedly secured to the first half.